

**REQUEST FOR EXPRESSIONS OF INTEREST  
GLOBAL NUCLEAR ENERGY PARTNERSHIP (GNEP) TECHNOLOGY  
DEMONSTRATION PROGRAM**

The U.S. Department of Energy (DOE), Office of Nuclear Energy, Science and Technology (NE) is seeking Expressions of Interest (EOI) from entities interested in competing, on a full and open basis, for the award of one or more contracts to perform site evaluation studies. These studies will evaluate prospective locations to host one or more demonstration projects in support of the Global Nuclear Energy Partnership (GNEP). A total of up to \$20 million may be available for the site evaluation studies, with no single award exceeding \$5 million. The anticipated period of performance for site evaluation study contracts is 90 calendar days.

The GNEP Technology Demonstration Program would demonstrate certain technologies that could change the way spent nuclear fuel from commercial light-water nuclear power reactors is managed. DOE intends to demonstrate three key elements that would comprise a proliferation-resistant closed fuel cycle. These key elements are: (1) a proliferation-resistant process to separate usable elements in commercial spent nuclear fuel from its waste elements; (2) the conversion of transuranics; and (3) an advanced fuel cycle facility. The DOE GNEP web home page contains further information about the GNEP program. The home page web link is <http://www.gnep.energy.gov/>.

The anticipated deliverable under each site evaluation study contract is a site evaluation study report containing detailed information about: the proposed site location (to be chosen by the entity submitting a contract offer and to which the offeror has a legally enforceable commitment to perform the project from the site that will be evaluated in the siting study); facilities (existing or new) that will be used in the demonstration project; federal, state and local regulatory and permitting requirements; project milestones; estimated project costs, including fees associated with meeting regulatory requirements; and other factors that may affect project success, including legislative or regulatory requirements and public perception issues. The site evaluation study will be used to provide information to support the preparation of an Environmental Impact Statement (EIS) that DOE is initiating to evaluate the potential environmental impacts associated with the GNEP Technology Demonstration Program. Given the importance of these studies in supporting preparation of the EIS, the technical, regulatory and public outreach expertise of site evaluation study contractors will be of paramount importance.

In addition to siting studies, successful offerors may also be tasked to provide technical evaluation and reporting services to the EIS contractor during EIS preparation, public meetings, and the preparation of responses to comments.

Collaborative arrangements for submitting site evaluation study contract proposals are encouraged. These arrangements may include, to the extent permitted by law, domestic private companies, not for profit institutions, state or local governments and agencies, academic institutions, non-government organizations, trade associations, etc. The location of demonstration project facilities is not limited to DOE sites, but may include other federal and non-federal sites on a strictly voluntary basis.

This EOI is intended to encourage an open exchange of ideas regarding the solicitation, award, and administration of site evaluation study contracts. Entities interested in submitting a proposal for a site evaluation study contract are requested to submit a response to this EOI that identifies the entity [organization name, type of organization (private company, not for profit institution, government contractor, etc)] and a point of contact (including an e-mail address and telephone number).

Entities submitting a response to this EOI are also encouraged to provide their thoughts and suggestions through the comment form on how DOE should conduct the acquisition and award and administer the site evaluation study contracts. In particular, DOE is seeking input on:

- Contract type, content of the statement of work, and specific contract terms or conditions
- Evaluation criteria and selection considerations, including any qualification criteria
- Other considerations DOE should address during the acquisition (e.g., organizational conflict of interest issues associated with an entity supporting the DOE EIS and working on a site study contract) or after contract award

The comment submittal form is available on the GNEP Technology Demonstration Program solicitation website located at [www.id.doe.gov](http://www.id.doe.gov).

Written responses to this EOI must not exceed four pages and must be received by not later than 4:00 PM, Mountain Time, on March 31, 2006. Send responses by email to Ms. Janet Surrusco, Contract Specialist, United States Department of Energy, Idaho Operations Office, at [surrusjk@id.doe.gov](mailto:surrusjk@id.doe.gov)

Confidential or business sensitive information contained in the submission must be identified and marked accordingly. DOE will protect this information from public disclosure to the extent permitted by law.

This EOI is not a formal solicitation requesting proposals and does not represent a commitment by the Government to award a contract. The Government does not intend to formally respond to information submitted in response to this EOI. The Government is not responsible for costs incurred to submit a response to this EOI, conducting other activities associated with pre-solicitation planning, or submitting a proposal in response to a solicitation if issued.